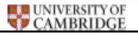
DUNEprism Issues

- January workshop: the ND Concept Study is asked to make a recommendation on whether to
 continue to pursue the PRISM concept. This recommendation should take account of the physics
 case and the cost implications for the Near Site facilities. The recommendation will be considered
 by the EC.
- The following steps are contingent on a positive recommendation:
 - March 2018: draft a report giving quantitative results elucidating the benefits of PRISM concept, assuming the previously agreed layout.
 - March workshop: the ND Concept Study is asked to make a recommendation on the PRISM concept, based on the scientific merits as documented in the report. The report, including any recommendations, will be delivered to the EC.
 - April 2018: the EC will consider the recommendations of ND Concept Study.





DUNE PRISM

- Questions to be addressed
 - How well can PRISM address the beam-related systematic issues in the oscillation analysis?
 - How can it help to decouple the beam-related systematic uncertainties from those coming from cross section and energy scale?
 - How does it improve CP sensitivity? A full study to address this would be the best, but maybe a few case studies are adequate.
- The PRISM working group is making good progress in answering the questions
 - A copy of the draft document is available at https://indico.fnal.gov/event/16205/
- ND Concept Study recommends the PRISM working group to continue with their study

Perhaps easy:

➤ Is the flexibility to do ~DUNEprism something the concept study group wants to recommend?

90 degree rotation of (50% enlarged relative to CDR) hall (also maybe ask for more depth along beam direction)

> Harder:

What else do we recommend? Is there a timetable to lay out? What studies to do?

- What moves?
- What stays on-axis?
- Run plan (rough)?

These questions couple with the other concept decisions.